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# [PDF] \*Enhancing Trusted Platform Modules with Hardware-Based Virtualization Techniques

F Stumpf, C Eckert - 2008 - sec.informatik.tu-darmstadt.de

... VMM determines next VM/ TPM to be activated VMM initializes TPM context switch TPM\_Exit

TPM sets TPM CR = 0 ... VMM active TPM active TPMCR=1 TPMCR=0 TPMCR=1 t ... View as HTML - Web Search

### Security architecture of trusted virtual machine monitor for trusted computing

Q Huang, C Shen, Y Fang - Wuhan University Journal of Natural Sciences, 2007 - Springer

... Integrity and secrecy of a closed-box VM is protected by VMM. TPM is used to attest the VM running critical application and TVMM to remote party. ...

Related articles - Web Search - BL Direct - All 2 versions

### Sharing trusted hardware across multiple operational environments

VJ Zimmer, MA Rothman - US Patent App. 10/804,489, 2004 - Google Patents

... Trusted Non-Trusted Trusted VM110 ,110b /110a VM111 /M1b /1Ha VM112 x112b ,112a 113b 113a VM 114 114b 114a **VMM** 104 **VMM TPM** MUX 108 PLATFORM HW 102 **TPM** 106 "100 ...

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## Enabling platform network stack control in a virtualization platform

SL Grobman - US Patent App. 10/954,905, 2004 - Google Patents

... hash. If a virus maliciously modifies the VMM, TPM will not allow the VMM

to launch because the hash keys will not match. TPM may ...

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# [PDF] \*Improving Policy Verification Capabilities of Trusted Platforms

S Cabuk, D Plaquin, T Hong, D Murray - hpl.hp.com

... However, the isolation properties of a **VMM** ensure that the compromise of one VM ... third party [11], or to provide the illusion of a physical **TPM** to applications ...

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# Platform configuration register virtualization apparatus, systems, and methods

DW Grawrock - US Patent App. 11/095,034, 2005 - Google Patents

... For example, a system 160 may include one or more of the apparatus 100, including a TPM 114, a VMM 116 coupled to the TPM to virtualize TPM resources 111, and ...

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# Scattering with absorptive interaction: Energy-dependent potentials

W Cassing, M Stingl, A Weiguny - Physical Review C, 1983 - APS

... The Schrödinger equation in the above model space is equivalent to the following set of integrodifferential equations 3 (Tpm + Vmm + em-E)qm =- V Ymm'qm'. ...

Cited by 2 - Related articles - Web Search - All 3 versions

### TPM Virtualization: Building a General Framework

V Scarlata, C Rozas, M Wiseman, D Grawrock, C ... - Trusted Computing: Ein Weg zu neuen It- ..., 2007 - books. google.com

... Establishing trust in the VMM and the VTPM using TXT can enhance assurance of the protections of the TPM's keys and bindings to the virtual and physical ...

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### Platform configuration apparatus, systems, and methods

DW Grawrock - US Patent App. 11/396,266, 2006 - Google Patents

... 2A LAUNCH VMM 223 INTERCEPT TPM REQUEST 231 RE-DIRECT TPM REQUEST 237 LOAD VS-PCR SET 241 CREATE VS-PCR STACK I 245 SWAP VALUES 251 TERMINATE GUESTS 257 211 FIG ... Web Search

# TPM Virtualization: Building a General Framework

VSCRM Wiseman, DGC Vishik - Trusted Computing; Ein Weg zu neuen It- ..., 2007 - books.google.com

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